(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 16 June 2005 (16.06.2005)

PCT

(10) International Publication Number WO 2005/054443 A1

- (51) International Patent Classification7: C12N 1/04, 1/20
- (21) International Application Number:

PCT/CA2004/002025

(22) International Filing Date:

30 November 2004 (30.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/481,734

3 December 2003 (03.12.2003)

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,

[Continued on next page]

(54) Title: CRYO-PROTECTIVE AGENTS FOR MICROORGANISMS

A flow diagram outlining the preparation and lyophilization of a C. diphtheriae cu 0.1 mL Incubated at 37oC for 43 hours ended in 5ml of 1.5 ml to 90 ml medium 5 ml to 250ml mediu nded in 5 ml of Lyophilization Ma 5%MSG+10%YE 10%PP+10%YE+0.25%Agar (0.63ml 40% MSG) (2ml+2ml+,lml) 0%Skim Mill (4.4ml 10% YE) 0.25ml / lml glass vial Preeze Dry

(57) Abstract: A lyophilization medium for a microorganism is provided wherein the medium is substantially free of animal-derived products and comprises yeast extract and monosodium glutamate. The lyophilisation medium can be used for cryoprotection of strains of bacteria such as Corynebacterium diphtheriae. Method for preparing a freeze-dried culture of a microorganism using the lyophilization medium, and lyophiles of microorganisms are also provided.



WO 2005/054443 A1



SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,

GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

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